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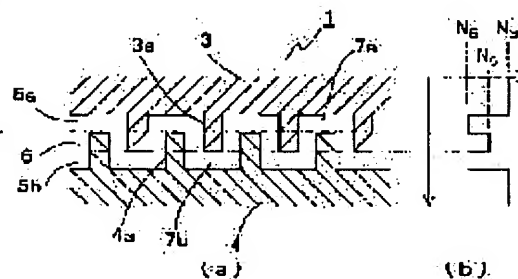
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(54) OPTICAL FUNCTIONAL ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To easily form clad layers and photonic crystals, having a small periodic structure, and to provide an optical functional element capable of reducing the production cost.

SOLUTION: First and second columnar parts 3a, 4a are formed on first and second substrates 3, 4, having a prescribed refractive index N_3 with respective two-dimensional prescribed periods, and the first and second substrates 3, 4 are placed opposite to each other. The first and second columnar parts 3a, 4a are arranged in the same plane perpendicular to the first and second columnar parts 3a, 4a for forming a core layer 6 and gaps 7a, 7b are disposed on the front edges of the first and second columnar parts 3a, 4a to form clad layers 5a, 5b.



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